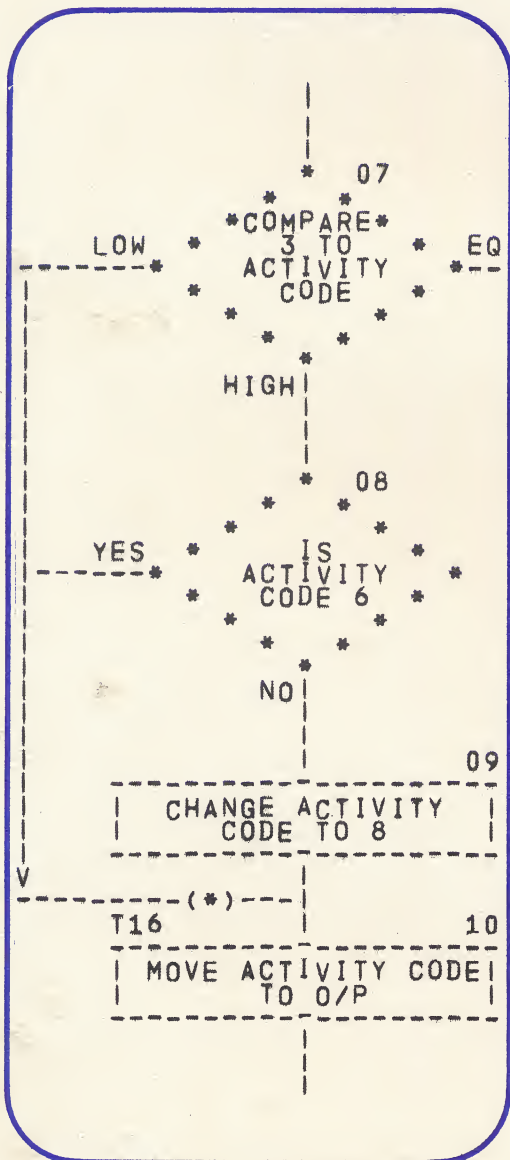


AUTOFLOW*

COMPUTER DOCUMENTATION SYSTEM

- ▲ A TOOL FOR CONTROLLING THE QUALITY AND ACCURACY OF DOCUMENTATION
- ▲ A METHOD OF ESTABLISHING SIMPLE PROGRAM DOCUMENTATION STANDARDS AND RULES



AUTOFLOW is a new software system which produces flow charts and other program documentation from Assembly language input. The AUTOFLOW system has been in operation since January of 1965 at ADR customer installations. The acceptance of this system by both management and programmers has exceeded expectations . . . Applied Data Research is now pleased to announce AUTOFLOW for the

IBM 1401, 1410, 1460 and System/360

RCA 501, 301, 3301 and SPECTRA 70

Honeywell 200

The advantages provided by AUTOFLOW for the efficient manager and professional programmer, include:

For Management — AUTOFLOW . . .

- produces program documentation at program completion
- produces accurate flow charts since
 - output is computerized
 - logic is fresh in the mind of programmer
- reduces programming problems related to personnel turnover and reassignment
- permits program documentation to be conveniently updated
- reduces documentation costs
- reduces maintenance costs
- reduces reprogramming costs
- increases productivity of programmers
- enables the computer to detect errors in documentation
- produces flow charts and descriptions conveniently in one output document

For Programmers — AUTOFLOW . . .

- is easy to use
- draws good flow charts
- is readily accepted
- is simple to learn —
 - less than one hour training
- requires virtually no additional effort over the usual coding effort
- relieves the programmer of time-consuming clerical chores
- assists the programmer in debugging
- permits the programmer to more easily change his program

AUTOFLOW can be used for all flow charting requirements at a user installation . . . for assembly language programs . . . or for COBOL or FORTRAN programs using a special format.

With ADR's AUTOFLOW system, the programmer is not required to concern himself with any graphic considerations. AUTOFLOW performs the "manual" work of actually producing a flow chart including allocation of symbols, editing, code rearranging, column and page allocation, and the drawing of connecting lines.

In addition to the flow chart, AUTOFLOW produces the following supplemental documentation aids:

1 Table of Contents

The table of contents for the flow chart output shows the page and box number assignments as well as the source statement card numbers for all tags.

2 Cross Reference Listing

The cross reference listing shows all transfers to all tags in the AUTOFLOW chart. Such a listing is useful during debugging and during maintenance of programs.

AUTOFLOW also permits gross logical flow charts or detailed flow charts to be selectively produced on the high speed printer.

LEASING COSTS

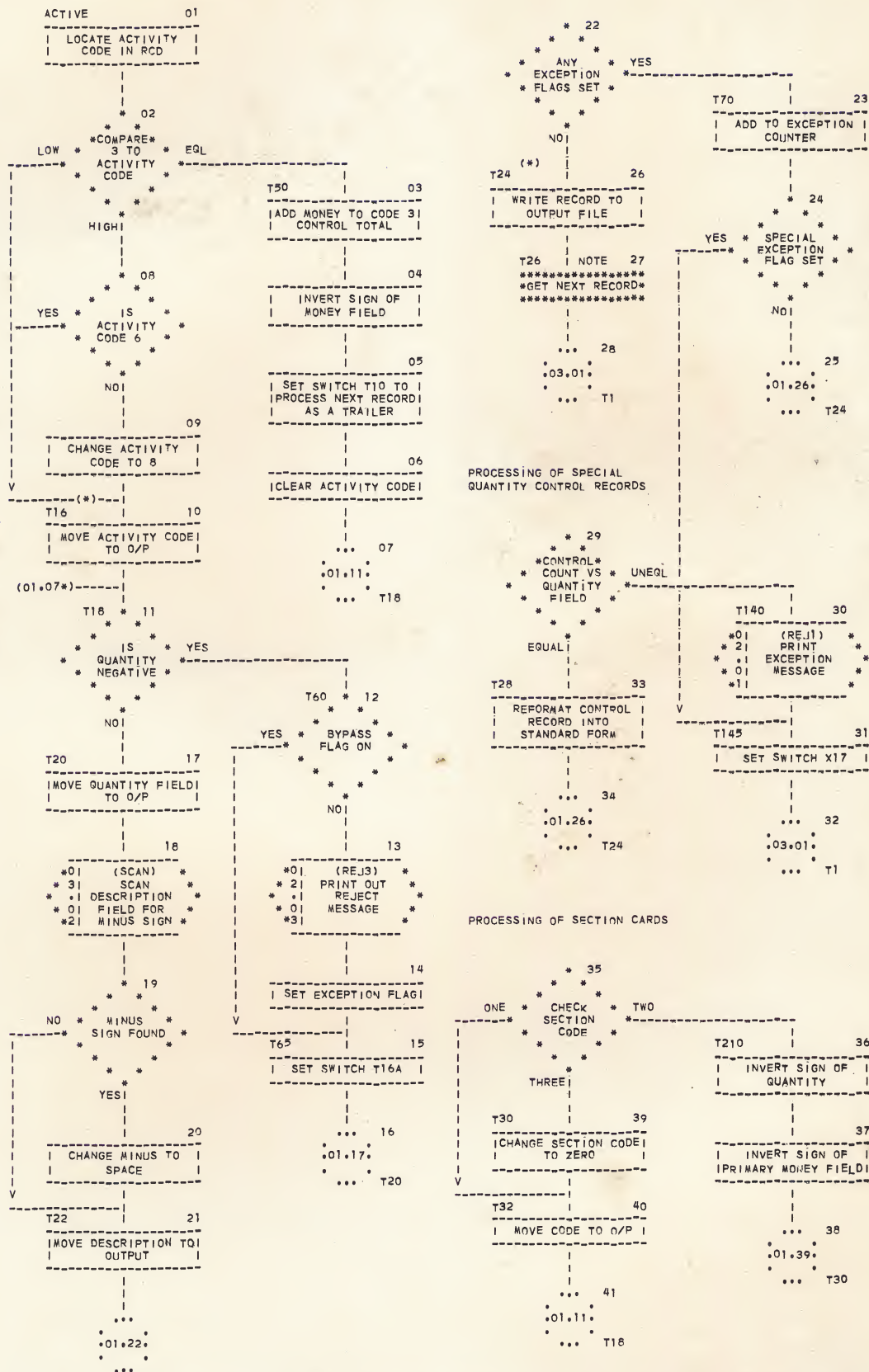
AUTOFLOW is available on the basis of 3 year lease at a low, one-time charge. An ADR representative will be glad to answer your inquiries regarding the price of AUTOFLOW for your system or supply any other information concerning the system. We can be contacted at any of our three offices:

Route 206 Center, Princeton, N. J.	609-921-8550
1815 N. Fort Myer Drive, Arlington, Virginia	703-528-3141
5316 West Imperial Highway, Los Angeles, Calif.	213-678-0201

FLOW CHART CODES

The AUTOFLOW Program makes use of a one or two character code field to determine the contents of the flow charts. These codes are punched to the right of the comments field and are separated from the last word of the comments by two or more spaces.

CHART: MAIN LOGIC PATH



The following flow chart codes are used:

"P" PROCESS
 "C" CONTINUATION
 "S" SUBROUTINE
 "B" BRANCH
 "E" EXIT
 "H" HALT
 "N" NOTE
 "R" TITLE
 "D" DECISION
 "T" TEXT

Line	Label	Operation	OPERAND
01	ACTIVE	AA	LOCATE ACTIVITY CODE IN RCD
02		CC	COMPARE 3 TO ACTIVITY CODE
03		RL	T16
04		BE	T50
05		BCE	T16, 01X3, 6
06		MCV	000, 01X3
07		MCV	01X3, 01X3
08		BM	T60, QUANTITY
09		BM	QUANTITY, QUANTITY
10		SR	SEARCH 01, 01X3, 12
11		B	SCAN
12		BM	01X3, 01X3
13		B	T20
14			

ADR capabilities include:

management sciences

From feasibility study through equipment selection, EDP Department Organization, personnel evaluation to systems design and implementation; our Management Sciences Division has one objective: To assure a successful and economic application of computing equipment to the problem area.

software development

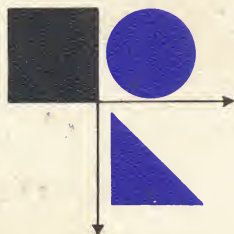
Successful software is the marriage of sound design and impeccable implementation carefully tailored to user requirements and the scope and sophistication of the equipment. We know this because we've been there. We would be glad to discuss our experience and qualifications in report program generators, sorts, assemblers, compilers and executive and multiprogram support systems.

applications programming

Want it quick? we're quick. Want it dirty? It doesn't have to be. We can do a clean job on the first go-around. Scout's honor. We're good implementers not because we have to be but because we want to be. We're good documenters because we have to be. If you have application needs, give us a call. It's fun to work with competent people. Profitable too.

research

Many are called; few are chosen. A few of the chosen reside with us. If you have a special problem in linguistics, information retrieval, theory of compilation or other cognate areas we would enjoy discussing our impressive capabilities along these lines.



APPLIED DATA RESEARCH, INC.

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